

ABSTRACT OF THE DISCLOSURE

An integrated image module for a document scanner includes a one piece die cast housing having a datum element and a support element. An imaging sensor array is enclosed in the housing. An array bias element urges the imaging sensor array against the datum element to provide accurate placement of the sensor array relative to the housing. A transport mechanism is attached to the housing so that the position of the transport mechanism accurately corresponds to the position of the imaging sensor array. The lens and the lamp for illumination are also attached to the housing so that the primary components of the imaging portion of the scanner are contained in a single module.